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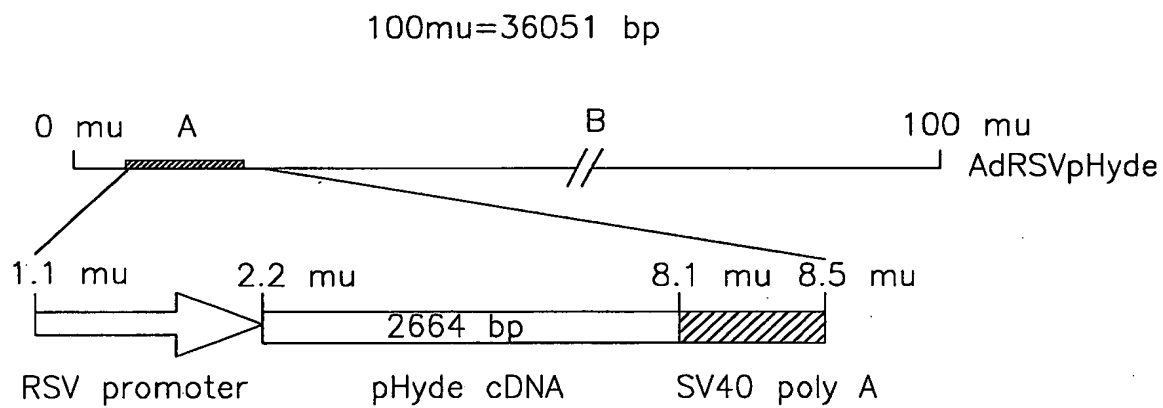


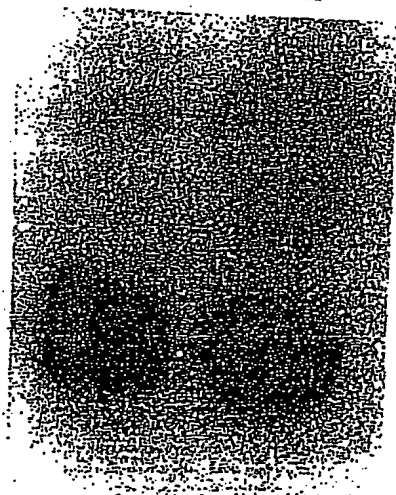
FIG.1

RECEIVED
JUL 28 2003
OIA/DOJ



DU145 Control

DU145/AdpHyde



← pHyde

← GAPDH

FIG. 2A

RECEIVED
JUL 28 2003
U.S. PATENT & TRADEMARK OFFICE



DU145 Control

DU145/AdRSVpHyde



← pHyde

FIG. 2B

DU145 pHyde

DU145 Control

DU145 pHyde

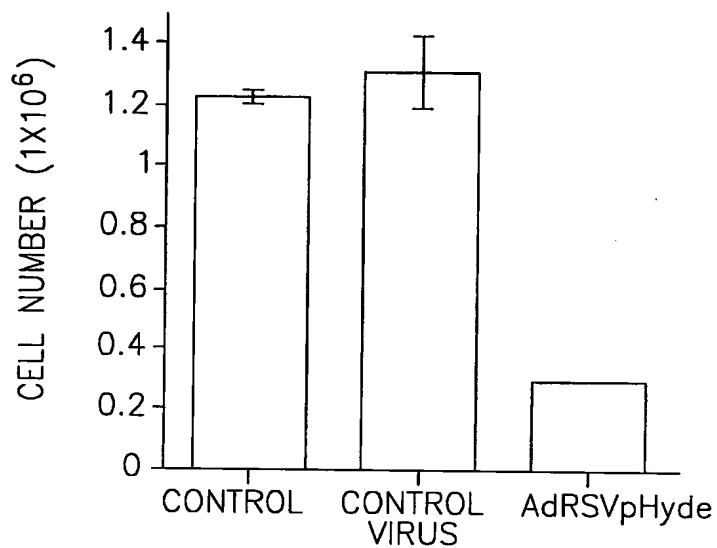


FIG.3A

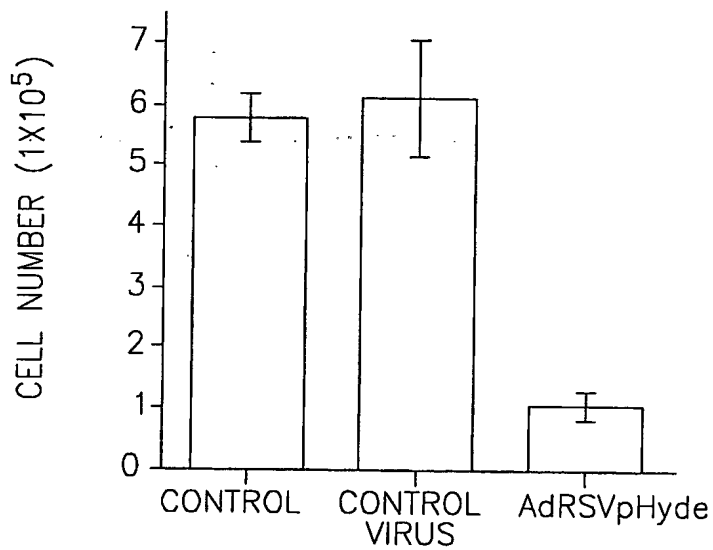


FIG.3B

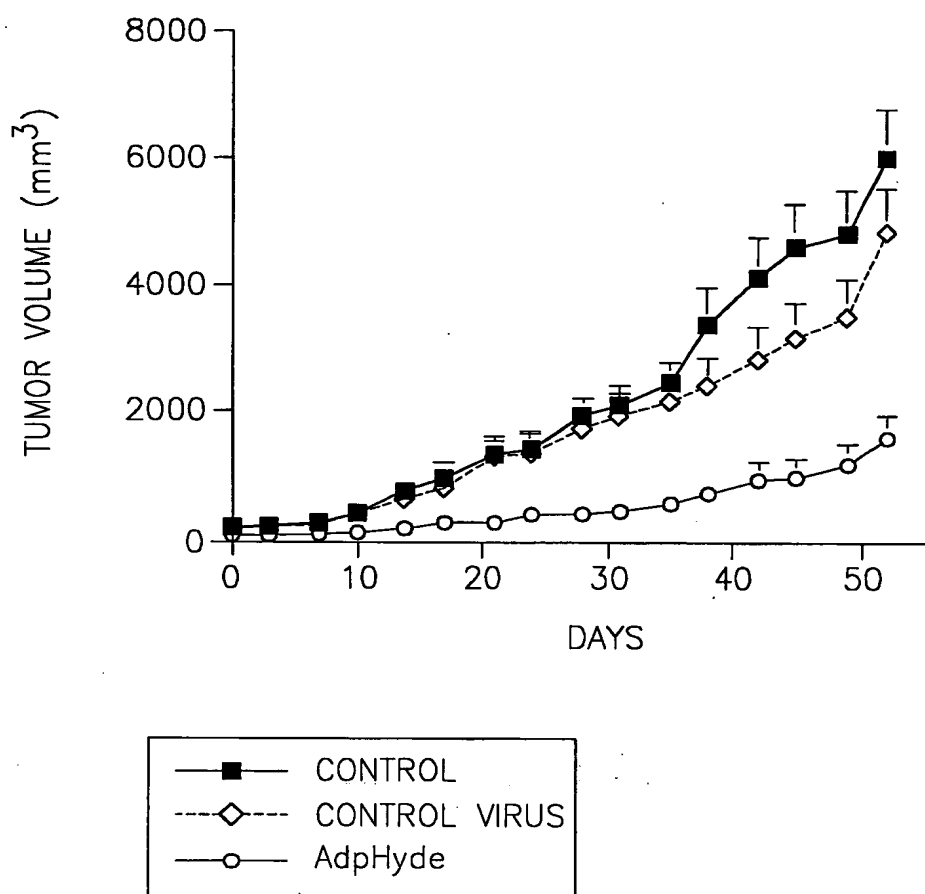
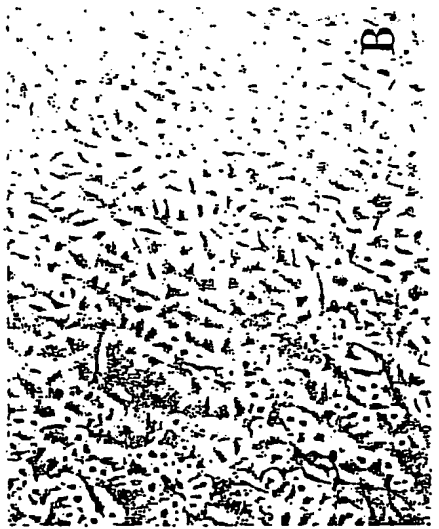


FIG.4



DU145 Control



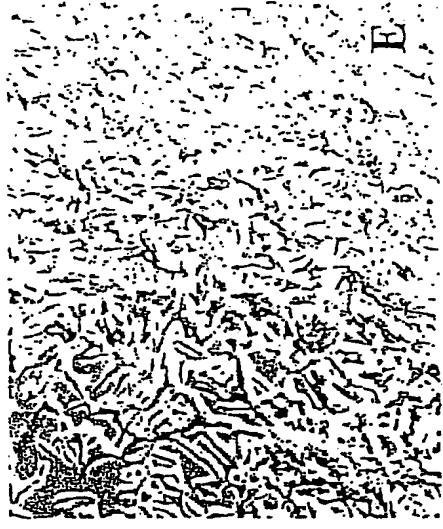
DU145/Control Virus



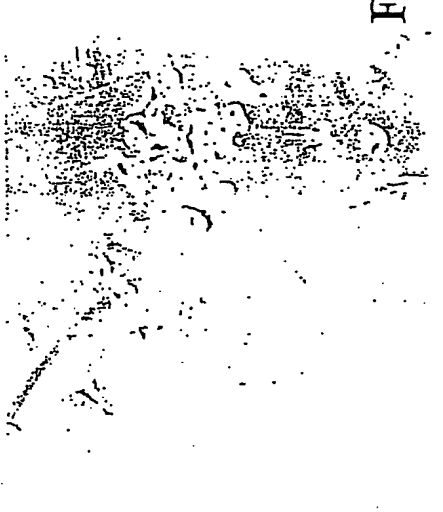
DU145/AdRSVpHyde



LNCaP Control



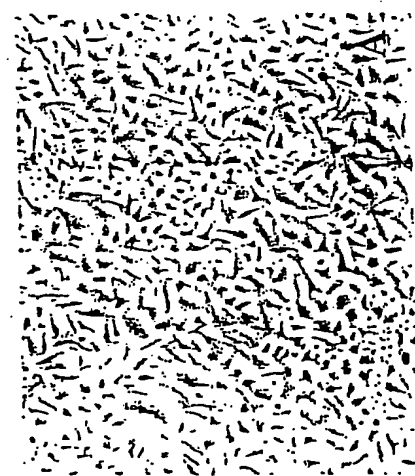
LNCaP/Control Virus



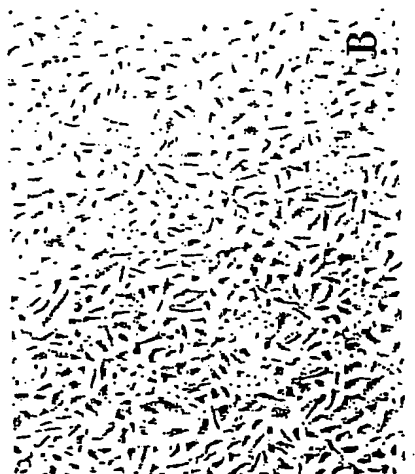
LNCaP/AdRSVpHyde

FIG. 5

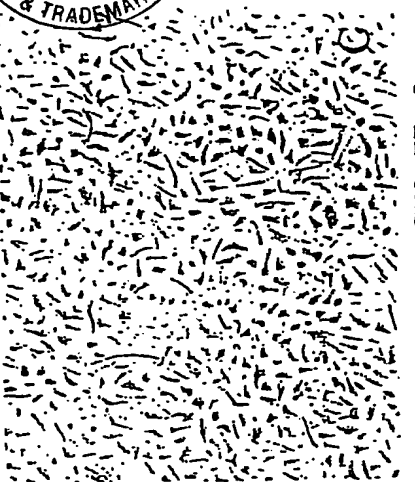




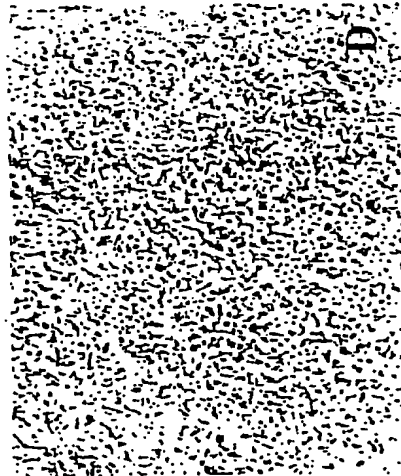
PC-3/Control



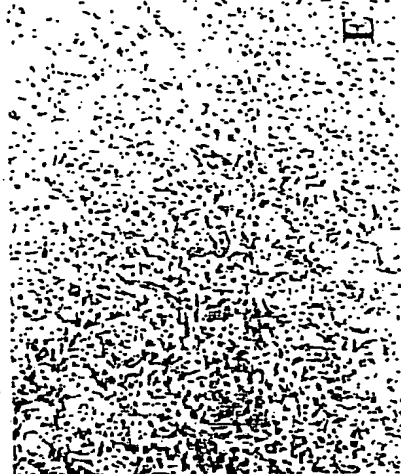
PC-3/Control Virus



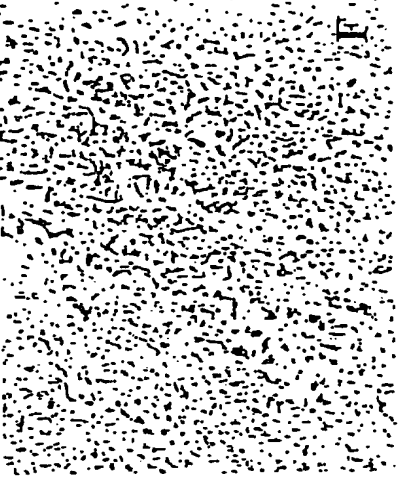
PC-3/AdRSVpHyde



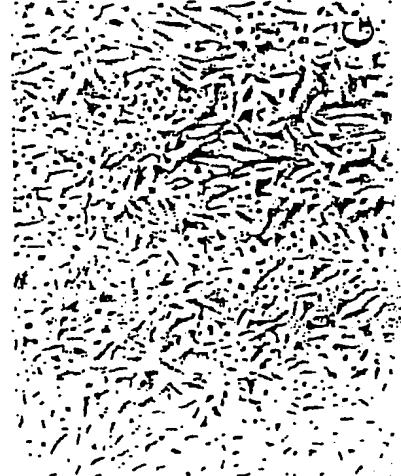
TSU/Control



TSU/Control Virus



TSU/AdRSVpHyde



PPC-1/Control



PPC-1/Control Virus



PPC-1/AdRSVpHyde

FIG. 6

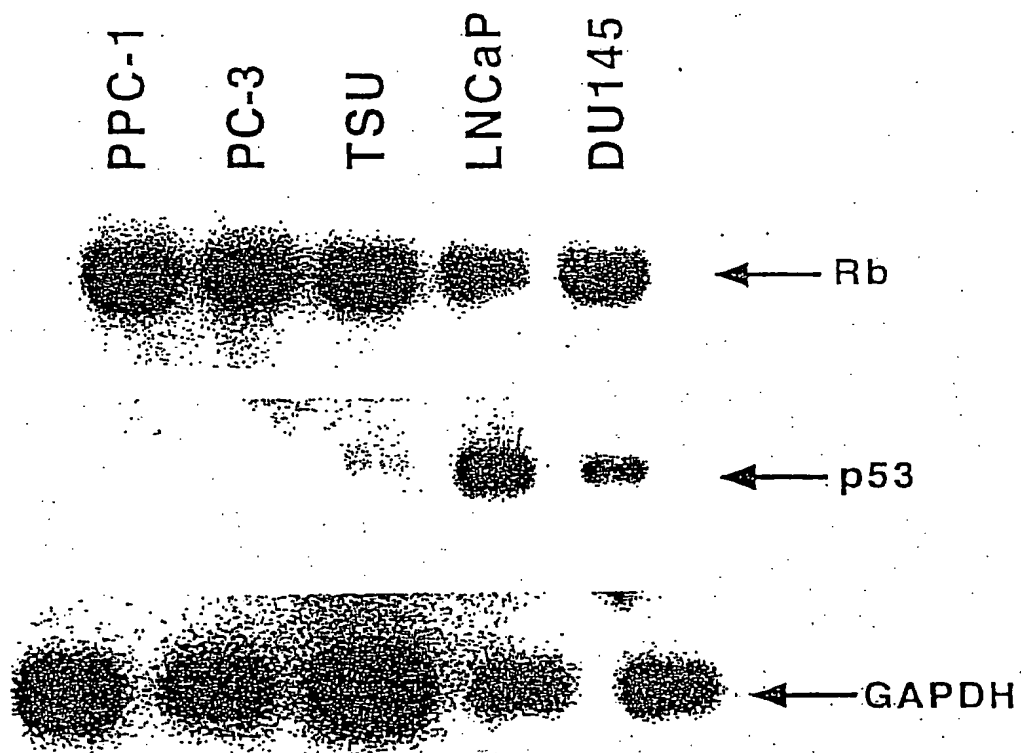


FIG. 7

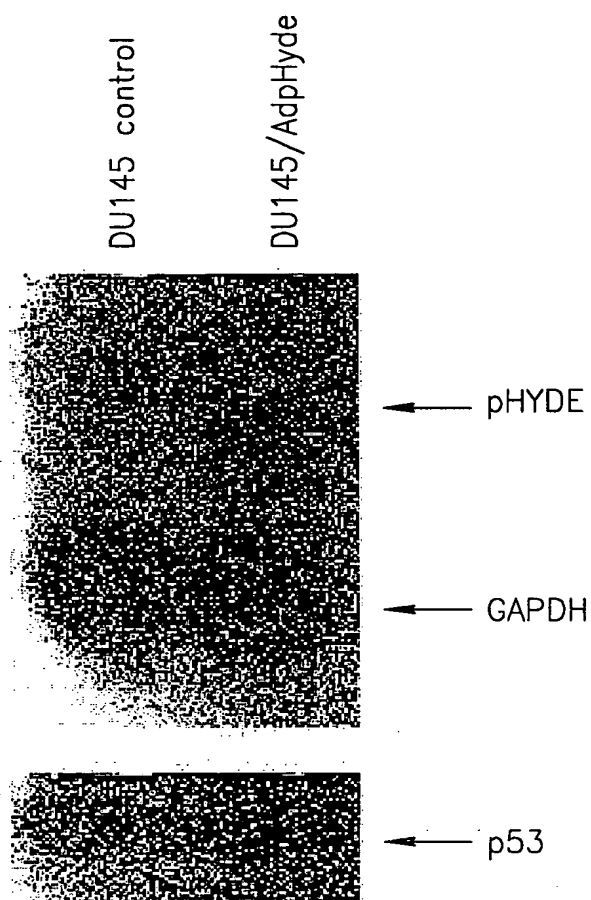


FIG.8

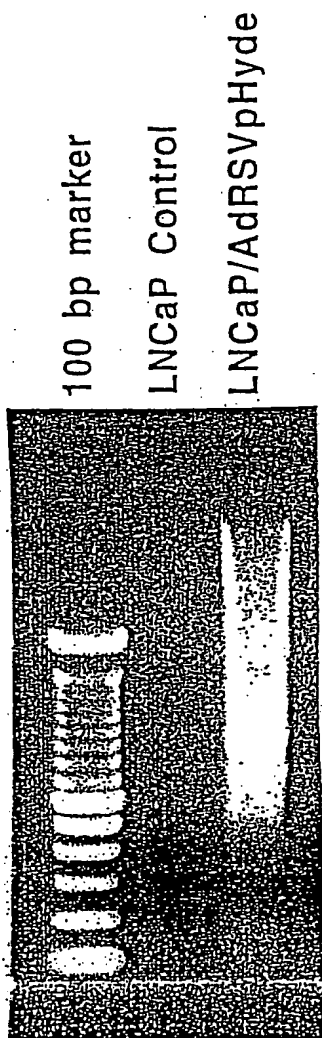


FIG. 9



SEQUENCE OF REGION A OF AdRSVpHyde:

GCGGCCGCCATCATCAATAATATACCTTATTTTGGATTGAAG
CCAATATGATAATGAGGGGGTGGAGTTTGTGACGTGGC
GCGGGGCGTGGGAACGGGGCGGGTGACGTAGTAGTGTGGC
GGAAGTGTGATGTTGCAAGTGTGGCGGAACACATGTAAGC
GACGGATGTGGCAAAAGTGACGTTTTTGGTGTGCGCCGGTG
TACACAGGAAGTGACAATTTTCGCGCGGTTTTAGGCGGA
TGTTGTAGTAAATTTGGGCGTAACCGAGTAAGATTTGGCCAT
TTTCGCGGGGAAACTGAATAAGAGGAAGTGAAATCTGA
ATAATTTTGTGTTACTCATAGCGCGTAATATTTGTCTAGGGCC
GCGGGGACTTTGACCGTTTACGTGGAGACTCGCCCAG
GGCGCGCCCCGATGTACGGGCCAGATATACGCGTATCTGAG
GGGACTAGGGTGTGTTTAGGGCGAAAAGCGGGGCTTCGGT
TGTACGCGGTTAGGAGTCCCCTCAGGATATAGTAGTTTTCGCT
TTTGCATAGGGAGGGGGAAATGTAGTCTTATGCAATAC
TCTTGTAGTCTTGCAACATGGTAACGATGAGTTAGCAACATG
CCTTACAAGGAGAGAAAAAGCACCGTGCGATGCCGATTG
GTGGAAGTAAGGTGGTACGATCGTGCTTATTAGGAAGGCTA
ACAGACGGGTCTGACATGGATTGGACGAACCACTGAATT
CCGCATTGCAGAGATATTGTATTTAAGTGCCTAGCTCGATAC
AATAAACGCCATTTGACCATTACCCACATTGGTGTGCA
CCTCCGGCCCTGGCCACTCTCTTCCGCATCGCTGTCTGCGGG
GGCCAGCTGTTGGGCTCGCGGTTGAGGACAACTCTTC
GCGGTCTTTCCAGTACTCTTGGATCGGAAACCCGTCGGCCCTC
CGAACGGTACTCCGCCGCCGAGGGACCTGAGCGAGTCC
GCATCGACCGGATCGGAAAACCTCTCGAGAAAGGCGTGTA
CCAGTCACAGTCGCTCTAGAACTAGTGGATCCCCCGGGC
TGCAGGAATTCGATAATTCGGCACGAGGCTGCCGAGGCACT
GTGATGTCCGGGGAGATGGACAAACCGCTCATCAGTCGC
CGCTTGGTGGACAGTGATGGCAGTCTGGCTGAGGTCCCCAA
GGAGGCTCCCAAAGTGGGCATCCTGGGCAGCGGGGATTT
TGCCCGGTCCCTGGCCACACGCCTGGTGGGCTCTGGCTTCT
TTGTGGTGGTGGGAAGCCGTAACCCCAAACGCACTGCCG
GCCTCTTCCCCTCCTTAGCCCAAGTGACTTTCCAGGAGGAGG
CCGTGAGCTCTCCAGAGGTCATCTTTGTGGCCGTGTTC
CGGGAGCACTACTCCTCACTGTGCAGTCTTGCTGACCAGTTG
GCTGGCAAGATCCTAGTGGATGTAAGCAACCCACGGA
GAAGGAGCGTCTTCAGCACCGCCAGTCGAACGCCGAGTACC
TGGCCTCCCTCTTCCCTGCCTGCACTGTGGTCAAGGCCT
TCAACGTCATCTCTGCATGGGCCCTACAGGCTGGCCCAAGG
GATGGGAACAGGCAGGTGCTCATCTGCGGTGACCAGCTG
GAAGCCAAGCACACCGTCTCAGAGATGGCGCGCGCCATGG
GTTTCACCCCACTGGACATGGGATCCCTGGCCTCAGCGAG
GGAGGTAGAGGCCATACCCCTGCGCCTCCTTCCATCCTGGA
AGGTGCCACCCTCCTGGCCCTGGGGCTAAGCACACAAA

FIG.10A



GCTATGCCTACAACCTTCATCCGGGACGTTCTACAGCCGTACA
TCCGGAAAGATGAGAACAAGTTCTACAAGATGCCCTG
TCTGTGGTCAACACCACGaTACCCTGTGTGGCTTACGTGCTG
CTGTCCCTGGTTTACCTGCCTGGTGTGCTGGCAGCTGC
CCTTCAGCTGAGGAGGGGGACCAAGTACCAGCGCTTCCCAG
ACTGGCTGGACCATTGGCTGCAGCACCGCAAGCAGATCG
GGCTACTCAGCTTTTTTTTCGCCATGCTGCACGCTCTCTACAG
CTTCTGCCTGCCGCTGCGCCGCTCCACCGCTATGAT
CTGGTCAACCTGGCTGTGAAGCAGGTCTGGCCAACAAGAG
CCGCCTCTGGGTTGAGGAAGAAGTCTGGCGGATGGAGAT
ATACCTGTCCCTGGGTGTGCTGGCTCTGGGCATGCTGTCACT
GCTGGCGGTTACCTCGATCCCTTCCATTGCAAACCTCAC
TCAACTGGAAGGAGTTCAGCTTTGTGCAGTCCACGCTGGGC
TTCGTGGCCCTGATGCTGAGCACAATGCACACCCTCACC
TACGCGCTGGACCCGTGCTTTTGAGGAAAACCACTACAAGTTC
TACCTGCCACCCACATTCACGCTCACGCTGCTCCTGCC
CTGTGTCATCATCCTGGCCAAGGGCCTCTTCCTCCTGCCCTG
CCTCAGCCACAGACTCACCAAGATCCGCAGGGGGCTGGG
AGAGGGATGGTGCCGTCAAGTTCATGCTGCCCGCTGGCCAC
ACACAGGGGGAGAAAACAAGCCACGTGTGAGGCCCTGGA
AATGGAGACAGGCAGAGCTTGTGGGGGGCCCTGGGCTGGGT
TCGGGTCTCTTTTCTGGGATGGTATATGCGTGGGTGGCCG
AGGTCTGAATTTCTGGGATGCAGGTGTATGCCGAGATACTCA
GAATGGCGTACCACACATGCGATAAGAGCTCACATATA
TTTCATATATAATAGGATTTTCTATTATTCTTAGTTAAAAAAA
ATAGTGGGTCTTATATTTCAACTTATGCAGGGTCC
CTATATTTCAACTTGAGCATTTCAAGAGCAAATGCCACACATTA
AACAGCAGATCCCACCTTGTGGTAGCTGCAGAGACA
GACAGAACTTCTGGTtATGAGAGAGACTGTATTTTGTGGAT
TCTACCTTTAATCCCCGTTCTCTACGTTcCCCTGTTA
GCCACATCTTAACGTTGGTGCAGAGCTGGGACAAGAGCTGG
CTCTGGTGCAGCCTCCCCCATCCCAGGGCTAGGAAACAA
GCCTCTGATGAACAGAGGGACCAGGTCTGGACCCTCCTGCT
CCCGCTTCCCTGGGCTCGAGTGGGGAGGCTCAGCGGGAT
CCCCCGCAATCTGTGCAGGAGTTTTTCACAGGTCTGTCCTTTC
TTCCGGGAGCGGTCTGAAGCGGCCCCATCTGATCCTAG
CTGAGCCGAGATTGTTCCCCACTCCCTGAAAGTCCAGAGTCA
CCGTGGAGCCTGCAAATTGCTCCTTCTGCGAAGGTGTG
AAGTCACCGTCTCACCAGAGCCATTAACGAACCTGATCTTCA
GAAGAAGCATAATTGTTTCCCTCCATTAAGTTGGTGG
TGACCCTCTTTAAACCACTGTGCCTTCTCGCCTTTCCCATCAC
TAATTTGGGCATCTCCATGGAGTGGACTCTTGTGCGG
GCAGTTCAGGGGGGAGGGAAGCATTAGAGATTGCGGAGAA
TAACCATCGAAGCCTCCCTTGGATGTTCCAGGCGTGCCT

FIG.10B



TCATTAAATTGGTCCCTAATGAGAATGACAGGGGACCCCTGT
TGCCTGTaTGCAGAGAACCAGCCTTCTGAGCACCCAGG
AAACACAGTGGCCCCACGCCCTTCAGGGGGGTCCCACGTCC
CCTTTCCCATGCTTTTGCCTCCCTCCCTCCCGGTTACAA
TCAACCATAAAAGTCTGCAAATATTGTTTTTTGAATTATCAAG
CTTATCGATACCGTCGAAACTTGTATTATTGCAGCTTA
TAATGGTTACAAATAAAGCAATAGCATCACAAATTTACAAAT
AAAGCATTTTTTTTCACTGCATTCTAGTTGTGGTTTGT
CCAAACTCATCAATGTATCTTATCATGTCTGGATCCGACCTCG
G

SEQUENCE OF REGION B OF AdRSVpHyde:

ATCTGGAAGGTGCTGAGGTACGATGAGACCCGCACCAGGTG
CAGACCCTGCGAGTGTGGCGGTAAACATATTAGGAACCA
GCCTGTGATGCTGGATGTGACCGAGGAGCTGAGGCCCGATC
ACTTGGTGCTGGCCTGCACCCGCGCTGAGTTTGGCTCTA
GCGATGAAGATACAGATTGAGGTACTGAAATGTGTGGGCGT
GGCTTAAGGGTGGGAAAGAATATATAAGGTGGGGGTCTT
ATGTAGTTTTGTATCTGTTTTGCAGCAGCCGCCGCCCATG
AGCACCAACTCGTTTGATGGAAGCATTGTGAGCTCATA
TTTGACAACGCGCATGCCCCCATGGGCCGGGGTGCGTGAGA
ATGTGATGGGCTCCAGCATTGATGGTCGCCCCGTCCTGC
CCGCAAACCTCTACTACCTTGACCTACGAGACCGTGTCTGGAA
CGCCGTTGGAGACTGCAGCCTCCGCCGCCGCTTCAGCC
GCTGCAGCCACCGCCCCGCGGGATTGTGACTGACTTTGCTTTC
CTGACCCGCTTGCAAGCAGTGCAGCTTCCCGTTTCATC
CGCCCGCGATGACAAGTTGACGGCTCTTTTGGCACAATTGG
ATTCTTTGACCCGGGAACCTTAATGTCGTTTTCTCAGCAGC
TGTTGGATCTGCGCCAGCAGGTTTCTGCCCTGAAGGCTTCCT
CCCCTCCAATGCGGTTTAAACATAAATAAAAAACCA
GACTCTGTTTGGATTTGGATCAAGCAAGTGTCTTGCTGTCTTT
ATTTAGTGGGTTTTGCGCGCGCGGTAGGCCCGGGACCA
GCGGTCTCGGTCGTTGAGGGTCCTGTGTATTTTTTCCAGGAC
GTGGTAAAGGTGACTCTGGATGTTTCAATACATGGGCA
TAAGCCCGTCTCTGGGGTGGAGGTAGCACCACTGCAGAGCT
TCATGCTGCGGGGTGGTGTGTAGATGATCCAGTCGTAG
CAGGAGCGCTGGGCGTGGTGCCTAAAAATGTCTTTCAGTAG
CAAGCTTATTGCCAGGGGCAGGCCCTTGGTGTAAGTGTT
TACAAAGCGGTTAAGCTGGGATGGGGGCATACGTGGGGATA
TGAGATGCATCTTGGACTGTATTTTTTAGGTTGGCTATGT
TCCCAGCCATATCCCTCCGGGGATTTCATGTTGTGCAGAACCA
CCAGCACAGTGTATCCGGTGCCTTGGGAAATTTGTCA
TGTAGCTTAGAAGGAAATGCGTGGAAGAACTTGGAGACGCC
CTTGTGACCTCCAAGATTTTCCATGCATTGTCCTCATAAT
GATGGCAATGGGCCCACGGGCGGCGGCCTGGGCGAAGATA
TTTCTGGGATCACTAACGGCATAGTTGTGTTCCAGGATGA

FIG.10C



GATCGTCATAGGCCATTTTTACAAAGCGCGGGCGGAGGGTG
CCAGACTGCGGTATAATGGTTCCATCCGGCCCAGGGGCG
TAGTTACCCTCACAGATTTGCATTTCCACGCTTTGAGTTCAG
ATGGGGGGGATCATGTCTACCTGCGGGGCGATGAAGAA
AACGGTTTTCCGGGGTAGGGGAGATCAGCTGGGAAGAAAGC
AGGTTCTGAGCAGCTGCGACTTACCGCAGCCGGTGGGCC
GCTAAATCACACCTATTACCGGGTGCAACTGGTAGTTAAGAG
AGCTGCAGCTGCCGTCATCCCTGAGCAGGGGGGCGCACT
TCGTTAAGCATGTCCCTGACTCGCATGTTTTCCCTGACCAAAT
CCGCCAGAAGGCGCTCGCCGCCAGCGATAGCAGTTC
TTGCAAGGAAGCAAAGTTTTTCAACGGTTTGAGACCGTCCGC
CGTAGGCATGCTTTTGAGCGTTTGACCAAGCAGTTCCA
GGCGGTCCCACAGCTCGGTACCTGCTCTACGGCATCTCGA
TCCAGCATATCTCCTCGTTTTGCGGGTTGGGGCGGCTTT
CGCTGTACGGCAGTAGTCGGTGCTCGTCCAGACGGGCCAGG
GTCATGTCTTTCCACGGGCGCAGGGTCCTCGTCAGCGTA
GTCTGGGTCACGGTGAAGGGGTGCGCTCCGGGCTGCGCGC
TGGCCAGGGTGCGCTTGAGGCTGGTCCTGCTGGTGCTGAA
GCGCTGCCGGTCTTCGCCCTGCGCGTCGGCCAGGTAGCATT
TGACCATGGTGTCATAGTCCAGCCCCTCCGCGGCGTGCC
CCTTGCGCGCAGCTTGCCCTTGAGAGGAGGCGCCGCACGA
GGGGCAGTGACAGACTTTTGAGGGCGTAGAGCTTGGGCGCG
AGAAATACCGATTCCGGGGAGTAGGCATCCGCGCCGACGGC
CCCGCAGACGGTCTCGCATTCCACGAGCCAGGTGAGCTC
TGGCCGTTCCGGGGTCAAAAACCAGGTTTCCCCCATGCTTTTT
GATGCGTTTCTTACCTCTGGTTTCCATGAGCCGGTGTC
CACGCTCGGTGACGAAAAGGCTGTCCGTGTCCCCGTATACA
GACTTGAGAGGCCTGTCTAGAGCGGTGTTCCGCGGTCC
TCCTCGTATAGAACTCGGACCACTCTGAGACAAAGGCTCGC
GTCCAGGCCAGCACGAAGGAGGCTAAGTGGGAGGGGTA
GCGGTGTTGTCCACTAGGGGGTCCACTCGCTCCAGGGTGT
GAAGACACATGTCGCCCTCTTCGGCATCAAGGAAGGTGA
TTGGTTTGTAGGTGTAGGCCACGTGACCGGGTGTTCTCTGAA
GGGGGGCTATAAAAGGGGGTGGGGGCGCGTTCTCTCTAC
CTCTCTTCCGCATCGCTGTCTGCGAGGGGCCAGCTGTTGGGG
TGAGTACTCCCTCTGAAAAGCGGGCATGACTTCTGCGCT
AAGATTGTCAGTTTCCAAAAACGAGGAGGATTTGATATTAC
CTGGCCCGCGTTGATGCCTTTGAGGGTGGCCGCATCCA
TCTGGTCAGAAAAGACAATCTTTTTGTTGTCAAGCTTGGTGG
CAAACGACCCGTAGAGGGCGTTGGACAGCAACTTGGCG
ATGGAGCGCAGGGTTTGGTTTTTGTGCGCATCGGCGCGCTC
CTTGCCGCGATGTTTAGCTGCACGTATTCGCGCGCAAC
GCACCGCCATTCCGGGAAAGACGGTGGTGGCTCGTCGGGC
ACCAGGTGCACGCGCCAACCGCGGTTGTGCAGGGTGACAA
GGTCAACGCTGGTGGCTACCTCTCGCGCTAGGCGCTCGTTG
GTCCAGCAGAGGCGGCCGCCCTTGCGCGAGCAGAATGGC

FIG.10D

Handwritten notes and signatures in the bottom right corner, including a date "2003-07-28" and a signature.



GGTAGGGGGTCTAGCTGCGTCTCGTCCGGGGGGTCTGCGTC
CACGGTAAAGACCCCGGGCAGCAGGCGCGCTCGAAGTA
GTCTATCTTGCATCCTTGCAAGTCTAGCGCCTGCTGCCATGC
GCGGGCGGCAAGCGCGCGCTCGTATGGGTTGAGTGGGG
GACCCCATGGCATGGGGTGGGTGAGCGCGGAGGCGTACAT
GCCGCAAATGTCGTAAACGTAGAGGGGCTCTCTGAGTATT
CCAAGATATGTAGGGTAGCATCTTCCACCGCGGATGCTGGC
GCGCACGTAATCGTATAGTTCGTGCGAGGGAGCGAGGAG
GTCGGGACCGAGGTTGCTACGGGCGGGCTGCTCTGCTCGG
AAGACTATCTGCCTGAAGATGGCATGTGAGTTAAATGATA
TGGTTGGACGCTGGAAGACGTTGAAGCTGGCGTCTGTGAGA
CCTACCGCGTCACGCACGAAGGAGGCGTAGGAGTCGCGC
AGCTTCTTGACCAGCTCGGCGGTGACCTGCACGTCTAGGGC
GCAGTAGTCCAGGGTTTCCTTGATGATGTCATACTTATC
CTGTCCCTTTTTTTTTCCACAGCTCGCGGTTGAGGACAACTCT
TCGCGGTCTTCCAGTACTCTTGGATCGGAAACCCGT
CGGCCTCCGAACGGTAAGAGCCTAGCATGTAGAACTGGTTG
AGGGCCTGGTAGGCGCAGCATCCCTTTTCTACGGGTAGC
GCGTATGCCTGCGCGGCCTTCCGGAGCGAGGTGTGGGTGA
GCGCAAAGGTGTCCCTGACCATGACTTTGAGGTACTGGTA
TTTGAAGTCAGTGTGTCGTCGCATCCGCCCTGCTCCCAGAGCAA
AAAGTCCGTGCGCTTTTTTGAACGCGGATTTGGCAGGG
CGAAGGTGACATCGTTGAAGAGTATCTTCCCGCGCGAGGC
ATAAAGTTGCGTGTGATGCGGAAGGGTCCCGGCACCTCG
GAACGGTTGTTAATTACCTGGGCGGCGAGCACGATCTCGTT
AAAGCCGTTGATGTTGTGGCCACAATGTAAAGTTCCAA
GAAGCGCGGGATGCCCTTGATGGAAGGCAATTTTTTAAGTTC
CTCGTAGGTGAGCTCTTCAGGGGAGCTGAGCCCGTGCT
CTGAAAGGGGCCAGTCTGCAAGATGAGGTGTGGAAGCGAC
GAATGAGCTCCACAGGTCACGGGCCATTAGCATTTGCAGG
TGGTCGCGAAAGGTCCTAAACTGGCGACCTATGGCCATTTTT
TCTGGGGTGATGCAGTAGAAGGTAAGCGGGTCTTGTTT
CCAGCGGTCCCATCCAAGGTTGCGGGCTAGGTCTCGCGCGG
CAGTCACTAGAGGCTCATCTCCGCCGAACCTTCATGACCA
GCATGAAGGGCACGAGCTGCTTCCCAAAGGCCCCCATCCAA
GTATAGGTCTCTACATCGTAGGTGACAAAGAGACGCTCG
GTGCGAGGATGCGAGCCGATCGGGAAGAACTGGATCTCCC
GCCACCAATTGGAGGAGTGGCTATTGATGTGGTGAAAGTA
GAAGTCCCTGCGACGGGCCGAACACTCGTGCTGGCTTTTGT
AAAAACGTGCGCAGTACTGGCAGCGGTGCACGGGCTGTA
CATCCTGCACGAGGTTGACCTGACGACCGCGCACAAGGAAG
CAGAGTGGGAATTTGAGCCCCTCGCCTGGCGGGTTTGGC
TGGTGGTCTTCTACTTCGGCTGCTTGACCTTGACCGTCTGGC
TGCTCGAGGGGAGTTACGGTGGATCGGACCACCACGCC
GCGCGAGCCCAAAGTCCAGATGTCCGCGCGCGGGCGGTCCG
AGCTTGATGACAACATCGCGCAGATGGGAGCTGTCCATGG

FIG.10E



TCTGGAGCTCCCGCGGGCGTCAGGTTCAGGCGGGAGCTCCTGC
AGGTTTACCTCGCATAGACGGGTCAGGGCGCGGGCTAGA
TCCAGGTGATACCTAATTTCCAGGGGCTGGTTGGTGGCGGC
GTCGATGGCTTGCAAGAGGCCGCATCCCCGCGGCGCGAC
TACGGTACCGCGCGGGCGGGCGGTGGGCCGCGGGGGTGTCC
TTGGATGATGCATCTAAAAGCGGTGACGCGGGCGAGCCCC
CGGAGGTAGGGGGGGCTCCGGACCCGCCGGGAGAGGGGG
CAGGGGCACGTCGGCGCCGCGCGCGGGCAGGAGCTGGTGC
T
GCGCGCGTAGGTTGCTGGCGAACGCGACGACGCGGGCGGT
GATCTCCTGAATCTGGCGCCTCTGCGTGAAGACGACGGGC
CCGGTGAGCTTGAGCCTGAAAGAGAGTTTCGACAGAATCAAT
TTCGGTGTCTTGACGGCGGCCTGGCGCAAATCTCCTG
CACGTCTCCTGAGTTGTCTTGATAGGCGATCTCGGCCATGAA
CTGCTCGATCTCTTCCTCCTGGAGATCTCCGCGTCCGG
CTCGCTCCACGGTGGCGGGCGAGGTCGTTGGAAATGCGGGC
CATGAGCTGCGAGAAGGCGTTGAGGCCTCCCTCGTTCCAG
ACGCGGCTGTAGACCACGCCCCCTTCGGCATCGCGGGCGCG
CATGACCACCTGCGCGAGATTGAGCTCCACGTGCCGGGC
GAAGACGGCGTAGTTTTCGAGGCGCTGAAAGAGGTAGTTGA
GGGTGGTTGGCGGTGTGTTCTGCCACGAAGAAGTACATAA
CCCAGCGTCGCAACGTGGATTCTGTTGATATCCCCCAAGGCCT
CAAGGCGCTCCATGGCCTCGAGGAAGTCCAAGGCGAAG
TTGAAAAACTGGGAGTTGCGCGCCGACACGGTTAACTCCTC
CTCCAGAAGACGGATGAGCTCGGCGACAGTGTGCGGCAC
CTCGCGCTCAAAGGCTACAGGGGCCTCTTCTTCTTCTTCAAT
CTCCTCTTCCATAAGGGCCTCCCCTTCTTCTTCTTCTG
GCGGCGGTGGGGGAGGGGGGACACGGCGGGCGACGAGGC
GCACCGGGAGGCGGTGACAAAGCGCTTCGATCATCTCCCCG
CGGCGACGGCGCATGGTCTCGGTGACGGCGCGGCCGTTCT
CGCGGGGGCGCAGTTGGAAGACGCCGCCCGTCATGTCCCG
GTTATGGGTGGCGGGGGGCTGCCATGCGGCAGGGATACG
GCGCTAACGATGCATCTCAACAATTGTTGTGTAGGTACTC
CGCCGCCGAGGGACCTGAGCGAGTCCGCATCGACCGGATC
GGAACCTCTCGAGAAAGGCGTCTAACAGTCACAGTCG
CAAGGTAGGCTGAGCACCGTGGCGGGCGGCAGCGGGCGGC
GGTCGGGGTTGTTTCTGGCGGAGGTGCTGCTGATGATGTA
ATTAAAGTAGGCGGTCTTGAGACGGCGGATGGTCGACAGAA
GCACCATGTCTTGGGTCCGGCCTGCTGAATGCGCAGGC
GGTCGGCCATGCCCCAGGCTTCGTTTTGACATCGGCGCAGG
TCTTTGTAGTAGTCTTGATGAGCCTTTCTACCGGCACT
TCTTCTTCTCCTTCTTGTCTGATCTCTTGATCTATCGC
TGCGGCGGCGGCGGAGTTTGGCCGTAGGTGGCGCCC
TCTTCTTCCCATGCGTGTGACCCCGAAGCCCTCATCGGCTG
AAGCAGGGCTAGGCTGGCGACAACGCGCTCGGCTAATA
TGGCCTGCTGCACCTGCGTGAGGGTAGACTGGAAGTCATCC

FIG.10F



ATGTCCACAAAGCGGTGGTATGCGCCCGTGTTGATGGTG
TAAGTGCAGTTGGCCATAACGGACCAGTTAACGGTCTGGTG
ACCCGGCTGCGAGAGCTCGGTGTACCTGAGACGCGAGTA
AGCCCTCGAGTCAAATACGTAGTCGTTGCAAGTCCGCACCA
GGTACTGGTATCCCACCAAAAAGTGCGGCGGCGGGCTGGC
GGTAGAGGGGCCAGCGTAGGGTGGCCGGGGCTCCGGGGG
CGAGATCTTCCAACATAAGGCGATGATAATCCGTAGATGTAC
CTGGACATCCAGGTGATGCCCGGCGGGCGGTGGTGAGGGCGC
GCGGAAAGTCGCGGACGCGGTTCCAGATGTTGCGCAGCGG
CAAAAAGTGCTCCATGGTCGGGACGCTCTGGCCGGTCAGGC
GCGCGCAATCGTTGACGCTCTACCGTGCAAAAGGAGAGC
CTGTAAGCGGGCACTCTTCCGTGGTCTGGTGGATAAATTTCG
AAGGGTATCATGGCGGACGACCGGGGTTTCGAGCCCCGT
ATCCGGCCGTCCGCCGTGATCCATGCGGTTACCGCCCGCGT
GTCGAACCCAGGTGTGCGACGTCAGACAACGGGGGAGTG
CTCCTTTTGGCTTCCCTTCCAGGCGCGGCGGCTGCTGCGCTAG
CTTTTTTGGCCACTGGCCGCGCGCAGCGTAAGCGGTTA
GGCTGGAAAGCGAAAGCATTCCGTGGCTCGCTCCCTGTAGC
CGGAGGGTTATTTTCCAAGGGTTGAGTCGCGGGACCCCC
GGTTCGAGTCTCGGACCGGCCGACTGCGGCGAACGGGGG
TTTGCCTCCCCGTCATGCAAGACCCCGCTTGCAAATTCCT
CCGGAAACAGGGACGAGCCCCCTTTTTTGCTTTTCCCAGATGC
ATCCGGTGCTGCGGCAGATGCGCCCCCTCCTCAGCAG
CGGCAAGAGCAAGAGCAGCGGCAGACATGCAGGGCACCT
CCCCTCCTCCTACCGCGTCAGGAGGGGCGACATCCGCGGT
TGACGCGGCAGCAGATGGTGATTACGAACCCCCGCGGCGCC
GGGCCCCGGCACTACCTGGACTTGGAGGAGGGCGAGGGCC
TGGCGCGGCTAGGAGCGCCCTCCTGAGCGGTACCCAAGG
GTGCAGCTGAAGCGTGATACGCGTGAGGCGTACGTGCCG
AGGCAGAACCTGTTTCGCGACCGCGAGGGAGAGGAGCCCC
AGGAGATGCGGGATCGAAAGTTCCACGCAGGGCGCGAGCT
GCGGCATGGCCTGAATCGCGAGCGGTTGCTGCGCGAGGAT
GACTTTGAGCCCGACGCGCGAACCGGGATTAGTCCCGCGC
GCGCACACGTGGCGGCCGCGACCTGGTAACCGCATACGA
GCAGACGGTGAACCAGGAGATTAACTTTCAAAAAAGCTTT
AACAAACACGTGCGTACGCTTGTGGCGCGCGAGGAGGTGG
CTATAGGACTGATGCATCTGTGGGACTTTGATTGCGCGCT
GGAGCAAAACCCAAATAGCAAGCCGCTCATGGCGCAGCTGT
TCCTTATAGTGACGACAGCAGGGACAACGAGGCATTCA
GGGATGCGCTGCTAAACATAGTAGAGCCCGAGGGCCGCTG
GCTGCTCGATTTGATAAACATCCTGCAGAGCATAGTGGTG
CAGGAGCGCAGCTTGAGCCTGGCTGACAAGGTGGCCGCCAT
CAACTATTCCATGCTTAGCCTGGGCAAGTTTTACGCCC
CAAGATATACCATACCCCTTACGTTCCCATAGACAAGGAGGT
AAAGATCGAGGGGTTCTACATGCGCATGGCGCTGAAGG
TGCTTACCTTGAGCGACGACCTGGGCGTTTATCGCAACGAG

FIG.10G

FIG.10H



GATAGAGAGCCTAGTGGACAAGATGAGTAGATGGAAGAC
GTACGCGCAGGAGCACAGGGACGTGCCAGGCCCGCGCCCG
CCCACCCGTCGTCAAAGGCACGACCGTCAGCGGGGTCTGG
TGTGGGAGGACGATGACTCGGCAGACGACAGCAGCGTCCT
GGATTTGGGAGGGAGTGGCAACCCGTTTGCGCACCTTCGC
CCCAGGCTGGGGAGAATGTTTTAAAAAAAAAAAAAGCATGAT
GCAAAATAAAAAACTCACCAAGGCCATGGCACCGAGCGT
TGGTTTTCTTGTATTCCCTTAGTATGCGGCGCGCGGCGATG
TATGAGGAAGGTCTCTCTCTCTACGAGAGTGTGGT
GAGCGCGGCGCCAGTGGCGGCGGCGCTGGGTTCTCCCTTC
GATGCTCCCCTGGACCCGCCGTTTGTGCCTCCGCGGTACC
TGCGGCCTACCGGGGGGAGAAACAGCATCCGTTACTCTGAG
TTGGCACCCCTATTGACACCAACCCGTGTGTACCTGGTG
GACAACAAGTCAACGGATGTGGCATCCCTGAACTACCAGAA
CGACCACAGCAACTTTCTGACCACGGTCATTCAAAACAA
TGACTACAGCCCGGGGGAGGCAAGCACACAGACCATCAATC
TTGACGACCGGTGCGACTGGGGCGGCGACCTGAAAACCA
TCCTGCATACCAACATGCCAAATGTGAACGAGTTCATGTTTA
CCAATAAGTTTAAGGCGCGGGTGATGGTGTGCGGCTTG
CCTACTAAGGACAATCAGGTGGAGCTGAAATACGAGTGGGT
GGAGTTCACGCTGCCCCGAGGGCAACTACTCCGAGACCAT
GACCATAGACCTTATGAACAACGCGATCGTGGAGCACTACTT
GAAAGTGGGCAGACAGAACGGGGTTCTGGAAAGCGACA
TCGGGGGTAAAGTTTGACACCCGCAACTTCAGACTGGGGTTT
GACCCCGTCACTGGTCTTGTGATGCCTGGGGTATATACA
AACGAAGCCTTCCATCCAGACATCATTTTGCTGCCAGGATGC
GGGGTGGACTTCACCCACAGCCGCTGAGCAACTTGTT
GGGCATCCGCAAGCGGCAACCCTTCCAGGAGGGCTTTAGGA
TCACCTACGATGATCTGGAGGGTGGTAACATTCCCGCAC
TGTTGGATGTGGACGCCTACCAGGCGAGCTTGAAAGATGAC
ACCGAACAGGGCGGGGGTGGCGCAGGCGGCAGCAACAGC
AGTGGCAGCGGCGGGAAGAGAACTCCAACGCGGCAGCCG
CGGCAATGCAGCCGGTGGAGGACATGAACGATCATGCCAT
TCGCGGCGACACCTTTGCCACACGGGCTGAGGAGAAGCGC
GCTGAGGCCGAAGCAGCGGCCGAAGCTGCCGCCCCCGCTG
CGCAACCCGAGGTGAGAAAGCCTCAGAAAGAAACCGGTGATC
AAACCCCTGACAGAGGACAGCAAGAAACGCAGTTACAAC
CTAATAAGCAATGACAGCACCTTCACCCAGTACCGCAGCTGG
TACCTTGATACAACACTACGGCGACCCTCAGACCGGAAT
CCGCTCATGGACCCTGCTTTGCACTCCTGACGTAACCTGCGG
CTCGGAGCAGGTCTACTGGTCTTGCCAGACATGATGC
AAGACCCCGTGACCTTCCGCTCCACGCGCCAGATCAGCAAC
TTTCCGGTGGTGGGCGCCGAGCTGTTGCCCGTGCACTCC
AAGAGCTTCTACAACGACCAAGGCCGTCTACTCCCAACTCATC
CGCCAGTTTACCTCTCTGACCCACGTGTTCAATCGCTT
TCCCGAGAACCAGATTTTGGCGCGCCCGCCAGCCCCACCA

FIG.10I

FIG.10J



CCGCCGCCGTCGCCGTCGCCAGCCCGTGCTGGCCCCGAT
TTCCGTGCGCAGGGTGGCTCGCGAAGGAGGCAGGACCCTG
GTGCTGCCAACAGCGCGCTACCAACCCAGCATCGTTTAAA
AGCCGGTCTTTGTGGTTCTTGAGATATGGCCCTCACCTGCC
GCCTCCGTTTCCCGGTGCCGGGATTCCGAGGAAGAATG
CACCGTAGGAGGGGCATGGCCGGCCACGGCCTGACGGGCG
GCATGCGTCGTGCGCACCAACGGCGGGCGGCGCGCTCGCA
CCGTGCGATGCGCGGGCGGTATCCTGCCCTCCTTATTCCACT
GATCGCCGCGGGCGATTGGCGCCGTGCCCGGAATTGCAT
CCGTGGCCTTGAGGGCGCAGAGACACTGATTAATAAACAAGT
TGCATGTGGGAAAAATCAAAATAAAAAGTCTGGACTCTCA
CGCTCGCTTGGTCCTGTAACATTTTTGTAGAATGGAAGACAT
CAACTTTGCGTCTCTGGCCCCGCGACACGGCTCGCGCC
CGTTCATGGGAAACTGGCAAGATATCGGCACCAGCAATATG
AGCGGTGGCGCCTTCAGCTGGGGCTCGCTGTGGAGCGGC
ATTAATAAATTTCCGGTTCCACCGTTAAGAACTATGGCAGCAAG
GCCTGGAACAGCAGCACAGGCCAGATGCTGAGGGATAA
GTTGAAAGAGCAAAATTTCCAACAAAAGGTGGTAGATGGCC
TGGCCTCTGGCATTAGCGGGGTGGTGGACCTGGCCAACC
AGGCAGTGCAAAATAAGATTAACAGTAAGCTTGATCCCCGCC
CTCCCGTAGAGGAGCCTCCACCGGCCGTGGAGACAGTG
TCTCCAGCGGGGCGTGGCGAAAAGCGTCCGCGCCCCGACA
GGGAAGAACTCTGGTGACGCAAATAGACGAGCCTCCCTC
GTACGAGGAGGCACTAAAGCAAGGCCTGCCACCAACCCGTC
CCATCGCGCCCATGGCTACCGGAGTGCTGGGCCAGCACA
CACCCGTAACGCTGGACCTGCCTCCCCCGCCGACACCCAG
CAGAAACCTGTGCTGCCAGGCCCGACCGCCGTTGTTGTA
ACCCGTCCTAGCCGCGCGTCCCTGCGCCGCGCCGCCAGCGG
TCCGCGATCGTTGCGGGCCCGTAGCCAGTGGCAACTGGCA
AAGCACACTGAACAGCATCGTGGGTCTGGGGGTGCAATCCC
TGAAGCGCCGACGATGCTTCTGAATAGCTAACGTGTCTG
ATGTGTGTGTCATGTATGCGTCCATGTCGCCGCCAGAGGAGCT
GCTGAGCCGCCGCGCGCCCGCTTTCCAAGATGGCTACCC
CTTCGATGATGCCGAGTGCTTACATGCACATCTCGGGCC
AGGACGCCTCGGAGTACCTGAGCCCCGGGCTGGTGCAG
TTTGCCCGCGCCACCGAGACGTACTTCAGCCTGAATAACAAG
TTTAGAAACCCACGGTGGCGCCTACGCACGACGTGAC
CACAGACCGGTCCCAGCGTTTGACGCTGCGGTTTCATCCCTGT
GGACCGTGAGGATACTGCGTACTCGTACAAGGCGCGGT
TCACCCTAGCTGTGGGTGATAACCGTGTGCTGGACATGGCTT
CCACGTACTTTGACATCCGCGGGCGTGCTGGACAGGGGC
CCTACTTTTAAGCCCTACTCTGGCACTGCCTACAACGCCCTG
GCTCCCAAGGGTGCCCCAAATCCTTGCGAATGGGATGA
AGCTGCTACTGCTCTTGAAATAAACCTAGAAGAAGAGGACG
ATGACAACGAAGACGAAGTAGACGAGCAAGCTGAGCAGC
AAAAAACTCACGTATTTGGGCAGGCGCCTTATTCTGGTATAA

FIG.10K

Handwritten notes and signatures in the bottom right corner, including a date "2003-08-15" and a signature.



ATATTACAAAGGAGGGTATTCAAATAGGTGTCGAAGGT
CAAACACCTAAATATGCCGATAAAACATTTCAACCTGAACCT
CAAATAGGAGAATCTCAGTGGTACGAAACTGAAATTAA
TCATGCAGCTGGGAGAGTCCTTAAAAAGACTACCCCAATGAA
ACCATGTTACGGTTCATATGCAAAACCCACAAATGAAA
ATGGAGGGCAAGGCATTCTTGTAAGCAACAAAATGGAAAG
CTAGCCCGTCAAGTGGAATGCAATTTTTCTCAACTACT
GAGGCGACCGCAGGCAATGGTGATAACTTGACTCCTAAAGT
GGTATTGTACAGTGAAGATGTAGATATAGAAACCCGAGA
CACTCATATTTCTTACATGCCCACTATTAAGGAAGGTAACCTCA
CGAGAACTAATGGGCCAACAATCTATGCCCAACAGGC
CTAATTACATTGCTTTTTAGGGACAATTTTATTGGTCTAATGTA
TTACAACAGCACGGGTAAATATGGGTGTTCTGGCGGGC
CAAGCATCGCAGTTGAATGCTGTTGTAGATTTGCAAGACAGA
AACACAGAGCTTTCATACCAGCTTTTGCTTGATTCCAT
TGGTGATAGAACCAGGTACTTTTCTATGTGGAATCAGGCTGT
TGACAGCTATGATCCAGATGTTAGAATTATTGAAAATC
ATGGAAGTGAAGATGAAGTTCCAAATTACTGCTTTCCACTGG
GAGGTGTATTAATACAGAGACTCTTACCAAGGTAAAA
CCTAAAACAGGTCAGGAAAATGGATGGGAAAAAGATGCTAC
AGAATTTTTCAGATAAAAAATGAAATAAGAGTTGGAAATAA
TTTTGCCATGGAAATCAATCTAAATGCCAACCTGTGGAGAAA
TTTCTGTACTCCAACATACGCGTGTATTTGCCCGACA
AGCTAAAGTACAGTCCTTCCAACGTAAAAATTTCTGATAACC
CAAACACCTACGACTACATGAACAAGCGAGTGGTGGCT
CCCGGGTTAGTGGACTGCTACATTAACCTTGGAGCACGCTG
GTCCCTTGACTATATGGACAACGTCAACCCATTTAACCA
CCACCGCAATGCTGGCCTGCGCTACCGCTCAATGTTGCTGG
GCAATGGTCGCTATGTGCCCTTCCACATCCAGGTGCCTC
AGAAGTTCTTTGCCATTAAAAACCTCCTTCTCCTGCCGGGCT
CATACACCTACGAGTGGAACCTTCAGGAAGGATGTTAAC
ATGGTTTCTGCAGAGCTCCCTAGGAAATGACCTAAGGGTTGA
CGGAGCCAGCATTAAGTTTGATAGCATTTGCCTTTACGC
CACCTTCTTCCCCATGGCCCAACAACACCGCCTCCACGCTTGA
GGCCATGCTTAGAAACGACACCAACGACCAGTCCTTTA
ACGACTATCTCTCCGCCGCCAACATGCTCTACCCTATACCCG
CCAACGCTACCAACGTGCCCATATCCATCCCCTCCCGC
AACTGGGCGGCTTTCCGCGGCTGGGCCTTCACGCGCCTTAA
GACTAAGGAAACCCCATCACTGGGCTCGGGCTACGACCC
TTATTACACCTACTCTGGCTCTATACCCTACCTAGATGGAACC
TTTTACCTCAACCACACCTTTAAGAAGGTGGCCATTA
CCTTTGACTCTTCTGTCAGCTGGCCTGGCAATGACCGCCTGC
TTACCCCCAACGAGTTTGAAATTAAGCGCTCAGTTGAC
GGGGAGGGTTACAACGTTGCCAGTGTAACATGACCAAAGA
CTGGTTCCTGGTACAAATGCTAGCTAACTACAACATTGG
CTACCAGGGCTTCTATATCCCAGAGAGCTACAAGGACCGCAT

FIG.10L

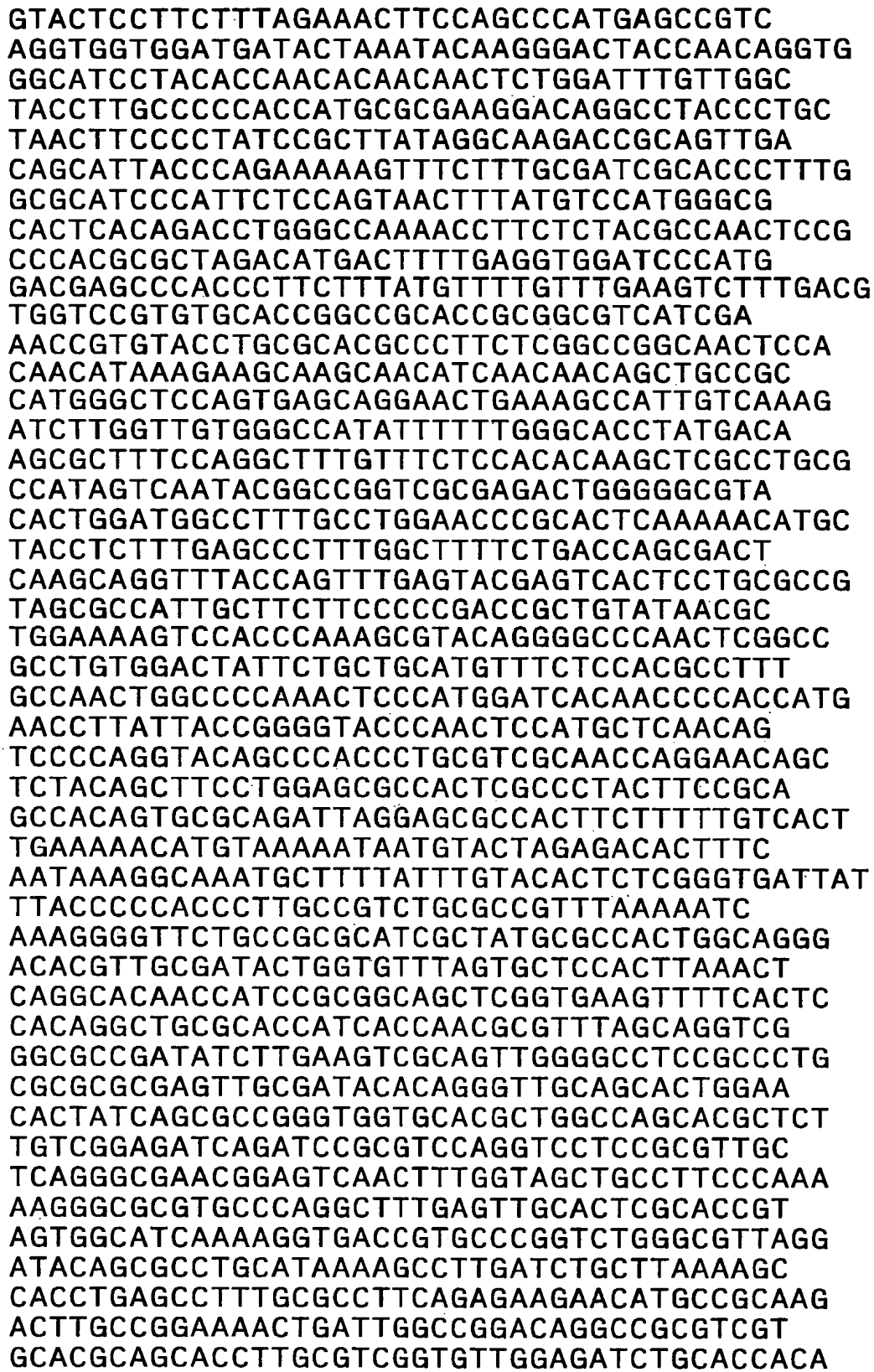


FIG.10M

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TTTCGGCCCCACCGGTTCTTCACGATCTTGGCCTTGCTA
GACTGCTCCTTCAGCGCGCGCTGCCCGTTTTTCGCTCGTCACA
TCCATTTCAATCACGTGCTCCTTATTTATCATAATGCT
TCCGTGTAGACACTTAAGCTCGCCTTCGATCTCAGCGCAGCG
CTGCAGCCACAACGCGCAGCCCGTGGGCTCGTGATGCT
TGTAGGTCACCTCTGCAAACGACTGCAGGTACGCCTGCAGG
AATCGCCCCATCATCGTCACAAAGGTCTTGTTGCTGGTG
AAGGTCAGCTGCAACCCGCGGTGCTCCTCGTTCAGCCAGGT
CTTGCATACGGCCGCCAGAGCTTCCACTTGGTCAGGCAG
TAGTTTGAAGTTTCGCTTTAGATCGTTATCCACGTGGTACTTG
TCCATCAGCGCGCGCGCAGCCTCCATGCCCTTCTCCC
ACGCAGACACGATCGGCACACTCAGCGGGTTCATCACCGTA
ATTTCACTTTCCGCTTCGCTGGGCTCTTCCTCTTCCTCT
TGCGTCCGCATACCACGCGCCACTGGGTGCTCTTCATTACAGC
CGCCGCACTGTGCGCTTACCTCCTTTGCCATGCTTGAT
TAGCACCGGTGGGTTGCTGAAACCCACCATTTGTAGCGCCA
CATCTTCTCTTTCTTCCTCGCTGTCCACGATTACCTCTG
GTGATGGCGGGCGCTCGGGCTTGGGAGAAGGGCGCTTCTTT
TTCTTCTTGGGCGCAATGGCCAAATCCGCCGCCGAGGTC
GATGGCCGCGGGCTGGGTGTGCGCGGCACCAGCGCGTCTT
GTGATGAGTCTTCTCGTCCTCGGACTCGATACGCCGCCT
CATCCGCTTTTTTGGGGGCGCCCGGGGAGGCGGGCGGCGAC
GGGGACGGGGACGACACGTCCTCCATGGTTGGGGGACGTC
GCGCCGCACCGCGTCCGCGCTCGGGGGTGGTTTCGCGCTG
CTCCTCTTCCCGACTGGCCATTTCTTCTCCTATAGGCAG
AAAAAGATCATGGAGTCAGTCGAGAAGAAGGACAGCCTAAC
CGCCCCCTCTGAGTTCGCCACCACCGCCTCCACCGATGC
CGCCAACGCGCCTACCACCTTCCCCGTCGAGGCACCCCCGC
TTGAGGAGGAGGAAGTGATTATCGAGCAGGACCCAGGTT
TTGTTAAGCGAAGACGACGAGGACCGCTCAGTACCAACAGAG
GATAAAAAGCAAGACCAGGACAACGCAGAGGCAAACGAG
GAACAAGTCGGGCGGGGGGACGAAAGGCATGGCGACTACC
TAGATGTGGGAGACGACGTGCTGTTGAAGCATCTGCAGCG
CCAGTGCGCCATTATCTGCGACGCGTTGCAAGAGCGCAGCG
ATGCTGCCCCCTCGCCATAGCGGATGTCAGCCTTGCCCTACG
AACGCCACCTATTCTCACCGCGCGTACCCCCCAAACGCCAAG
AAACGGCACATGCGAGCCCAACCCGCGCCTCAACTTC
TACCCGTATTTGCCGTGCCAGCGGTGCTTGCCACCTATCAC
ATCTTTTTTCCAAAACCTGCAAGATACCCCTATCCTGCCG
TGCCAACCGCAGCCGAGAGACAAGCAGCTGGCCTTGCGG
CAGGGCGCTGTCATACCTGATATCGCCTCGCTCAACGAAG
TGCCAAAAATCTTTGAGGGTCTTGGACGCGACGAGAAGCGC
GCGGCAAACGCTCTGCAACAGGAAAACAGCGAAAATGAA
AGTCACTGGAGTGTTGGTGGAACTCGAGGGTGACAACGC
GCGCCTAGCCGTACTAAAACGCAGCATCGAGGTCACCCA
CTTTGCCTACCCGGCACTTAACCTACCCCCCAAGGTCATGAG

FIG.10N

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CACAGTCATGAGTGAGCTGATCGTGCGCCGTGCGCAGC
CCCTGGAGAGGGGATGCAAATTTGCAAGAACAAACAGAGGAG
GGCCTACCCGCGAGTTGGCGACGAGCAGCTAGCGCGCTGG
CTTCAAACGCGCGAGCCTGCCGACTTGGAGGAGCGACGACGCAA
ACTAATGATGGCCGCGAGTGCTCGTTACCGTGGAGCTTGA
GTGCTGCAGCGGTTCTTTGCTGACCCGGAGATGCAGCGCA
AGCTAGAGGAAACATTGCACTACACCTTTTCGACAGGGCT
ACGTACGCCAGGCCTGCAAGATCTCCAACGTGGAGCTCTGC
AACCTGGTCTCCTACCTTGGAAATTTTGACGAAAACCGC
CTTGGGCAAAACGTGCTTCAATCCACGCTCAAGGGCGAGGC
GCGCCGCGACTACGTCCGCGACTGCGTTTACTTATTTCT
ATGCTACACCTGGCAGACGGCCATGGGCGTTTGGCAGT
GCTTGGAGGAGTGCAACCTTCAAGGAGCTGCAGAACTGC
TAAAGCAAACTTGAAGGACCTATGGACGGCCTTCAACGAG
CGCTCCGTGGCCGCGCACCTGGCGGACATCATTTTCCCC
GAACGCCTGCTTAAAACCTGCAACAGGGTCTGCCAGACTTC
ACCAGTCAAAGCATGTTGCAGAACTTTAGGAACTTTAT
CCTAGAGCGCTCAGGAATCTTGCCCGCCACCTGCTGTGCACT
TCCTAGCGACTTTGTGCCCATTAAGTACCGCGAATGCC
CTCCGCCGCTTTGGGGCCACTGCTACCTTCTGCAGCTAGCCA
ACTACCTTGCCTACCACTCTGACATAATGGAAGACGTG
AGCGGTGACGGTCTACTGGAGTGTCACTGTCGCTGCAACCT
ATGVAVVVGVAVVGVTVVVTGGTTTGVAATTVGVAAGT
GCTTAACGAAAGTCAAATTATCGGTACCTTTGAGCTGCAGGG
TCCCTCGCCTGACGAAAAGTCCGCGGCTCCGGGGTTCA
AACTCACTCCGGGGCTGTGGACGTGCGCTTACCTTCGCAAAT
TTGTACCTGAGGACTACCACGCCACGAGATTAGGTTC
TACGAAGACCAATCCCGCCCGCCAAATGCGGAGCTTACCGC
CTGCGTCATTACCCAGGGCCACATTCTTGGCCAATTGCA
AGCCATCAACAAAGCCCGCCAAGAGTTTCTGCTACGAAAGG
GACGGGGGGTTTACTTGGACCCCGAGTCCGGCGAGGAGC
TCAACCCAATCCCCCGCCGCGCAGCCCTATCAGCAGCAG
CCGCGGGGCCCTTGCTTCCCAGGATGGCACCCAAAAAGAA
GCTGCAGCTGCCGCGCCACCCACGGACGAGGAGGAATACT
GGGACAGTCAGGCAGAGGAGGTTTTGGACGAGGAGGAGG
AGGACATGATGGAAGACTGGGAGAGCCTAGACGAGGAAGC
TTCCGAGGTCGAAGAGGTGTCAGACGAAACACCGTCACCC
TCGGTCGCATTCCCCTCGCCGGCGCCCCAGAAATCGGCAAC
CGGTTCCAGCATGGCTACAACCTCCGCTCCTCAGGCGCC
GCCGGCACTGCCCGTTGCGCCGACCCAACCGTAGATGGGACA
CCACTGGAACCAGGGCCGGTAAGTCCAAGCAGCCGCCGC
CGTTAGCCCAAGAGCAACAACAGCGCCAAGCTACCGCTCA
TGGCGCGGGCACAAGAACGCCATAGTTGCTTGCCTTGCAA
GACTGTGGGGGGCAACATCTCCTTCGCCCGCGCTTTCTTCTC
TACCATCACGGCGTGGCCTTCCCCCGTAACATCCTGCA
TTACTACCGTCATCTCTACAGCCATACTGCACCGGGCGGCAG

FIG.100



CGGCAGCGGCAGCAACAGCAGCGGCCACACAGAAGCAA
AGGCGACCGGATAGCAAGACTCTGACAAAGCCCAAGAAATC
CACAGCGGCGGCAGCAGCAGGAGGAGGAGCGCTGCGTCT
GGCGCCCAACGAACCCGTATCGACCCGCGAGCTTAGAAACA
GGATTTTTTCCCACTCTGTATGCTATATTTCAACAGAGCA
GGGGCCAAGAACAAGAGCTGAAAATAAAAAACAGGTCTCTG
CGATCCCTCACCCGCAGCTGCCTGTATCACAAAAGCGAA
GATCAGCTTCGGCGCACGCTGGAAGACGCGGAGGCTCTCTT
CAGTAAATACTGCGCGCTGACTCTTAAGGACTAGTTTCG
CGCCCTTTCTCAAATTTAAGCGCGAAAACCTACGTCATCTCCA
GCGGCCACACCCGGCGGCCAGCACCTGTCGTCAGCGCCA
TTATGAGCAAGGAAATTCCCACGCCCTACATGTGGAGTTACC
AGCCACAAATGGGACTTGCGGCTGGAGCTGCCCAAGAC
TACTCAACCCGAATAAACTACATGAGCGCGGGACCCACAT
GATATCCCGGGTCAACGGAATCCGCGCCCAACGAAACCG
AATTCTCTTGGAACAGGCGGCTATTACCACCACACCTCGTAA
TAACCTTAATCCCCGTAGTTGGCCCGCTGCCCTGGTGT
ACCAGGAAAGTCCCGCTCCCACCACTGTGGTACTTCCCAGA
GACGCCCAGGCCGAAGTTCAGATGACTAACTCAGGGGCG
CAGCTTGCGGGCGGCTTTTCGTCACAGGGTGCGGTGCCCCGG
GCAGGGTATAACTCACCTGACAATCAGAGGGCGAGGTAT
TCAGCTCAACGACGAGTCGGTGAGCTCCTCGCTTGGTCTCC
GTCCGGACGGGACATTTTCAGATCGGCGGGCGCCGGCCGTC
GTTCAATTCACGCCTCGTCAGGCAATCCTAACTCTGCAGACCT
CGTCCTCTGAGCCGCGCTCTGGAGGCATTGGAACCTCTG
CATTTATTGAGGAGTTTGTGCATCGGTCTACTTTAACCCCT
TCTCGGGACCTCCCGGCCACTATCCGGATCAATTTAT
TCCTAACTTTGACGCGGTAAAGGACTCGGCGGACGGCTACG
ACTGAATGTTAAGTGGAGAGGCAGAGCAACTGCGCCTGA
AACACCTGGTCCACTGTCGCCGCCACAAGTGCTTTGCCCGC
GACTCCGGTGAGTTTTTGCTACTTTGAATTGCCCGAGGAT
CATATCGAGGGCCCGGCGCACGGCGTCCGGCTTACCGCCCA
GGGAGAGCTTGCCCGTAGCCTGATTCGGGAGTTTACCCA
GCGCCCCCTGCTAGTTGAGCGGGACAGGGGACCCTGTGTTT
TCACTGTGATTTGCAACTGTCCTAACCTTGGATTACATC
AAGATCTTTGTTGCCATCTCTGTGCTGAGTATAATAATACAG
AAATTAAAATATACTGGGGCTCCTATCGCCATCCTGT
AAACGCCACCGTCTTCACCCGCCCAAGCAAACCAAGGCGAA
CCTTACCTGGTACTTTTAAACATCTCTCCCTCTGTGATTT
ACAACAGTTTCAACCCAGACGGAGTGAGTCTACGAGAGAAC
CTCTCCGAGCTCAGCTACTCCATCAGAAAAAACACCACC
CTCTCCGAGCTCAGCTACTCCATCAGAAAAAACACCACC
CTCCTTACCTGCCGGGAACGTACGAGTGCGTCAACGGCCGC
TGCACCACACCTACCGCCTGACCGTAAACCAGACTTTTT
CCGGACAGACCTCAATAACTCTGTTTACCAGAACAGGAGGT
GAGCTTAGAAAAACCCTTAGGGTATTAGGCCAAAGGCGCA

FIG.10P

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ACTTTTCCATTTTATGAAATGTGCTACATTACCATGTACATGA
GCAAACAGTATAAGTTGTGGCCCCCACAAAATTGTGT
GGAAAACACTGGCACTTTCTGCTGCACTGCTATGCTAATTAC
AGTGCTCGCTTTGGTCTGTACCCTACTCTATATTAAAT
ACAAAAGCAGGACGCAGCTTTATTGAGGAAAAGAAAATGCCTT
AATTTACTAAGTTACAAAGCTAATGTCACCACTAACTG
CTTTACTCGCTGCTTGCAAAACAAATTCAAAAAGTTAGCATT
TAATTAGAATAGGATTTAAACCCCCCGGTCATTTCT
GCTCAATACCATTCCTTGAACAATTGACTCTATGTGGGATA
TGCTCCAGCGCTACAACCTTGAAGTCAGGCTTCCTGGA
TGTCAGCATCTGACTTTGGCCAGCACCTGTCCCGCGGATTTG
TTCCAGTCCAACCTACAGCGACCCACCCTAACAGAGATG
ACCAACACAACCAACGCGGCCGCGCTACCGGACTTACATC
TACCACAAATACACCCCAAGTTTCTGCCCTTTGTCAATAA
CTGGGATAACTTGGGCATGTGGTGGTTCTCCATAGCGCTTAT
GTTTGTATGCCTTATTATTATGTGGCTCATCTGCTGCC
TAAAGCGCAAACGCGCCCGACCACCCATCTATCGTCCCATCA
TTGTGCTACACCCAAACAATGATGGAATCCATAGATTG
GACGGACTGAAACACATGTTCTTTTCTCTTACAGTATGATTAA
ATGAGACATGATTCCTCGAGTTTTTATATTACTGACC
CTTGTTGCGCTTTTTTTGTGCGTGCTCCACATTGGCTGCGGTTT
CTCACATCGAAGTAGACTGCATTCCAGCCTTCACAGT
CTATTTGCTTTTACGGATTTGTACACCCTCACGCTCATCTGCAGC
CTCATCACTGTGGTCATCGCCTTTATCCAGTGCATTG
ACTGGGTCTGTGTGCGCTTTGCATATCTCAGACACCATCCCC
AGTACAGGGACAGGACTATAGCTGAGCTTCTTAGCCCT
GGACGGAATTATTACAGAGCAGCGCCTGCTAGAAAGACGCA
GGGCAGCGGCCGAGCAACAGCGCATGAATCAAGAGCTCC

TCAGAAATTGGTGGTCATGGTGGG
CATAACTCAGCACTCGGTAGAAACCGAAGGCTGCATTCACTC
ACCTTGTC AAGGACCTGAGGATCTCTGCACCCTTATTA

FIG.10Q

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AGACCCTGTGCGGTCTCAAAGATCTTATTCCCTTTAACTAATA
AAAAAAAAATAATAAAGCATCACTTACTTAAAATCAGT
TAGCAAATTTCTGTCCAGTTTATTTCAGCAGCACCTCCTTGCCC
TCCTCCCAGCTCTGGTATTGCAGCTTCCTCCTGGCTG
CAAACCTTTCTCCACAATCTAAATGGAATGTCAGTTTCCTCCTG
TTCCTGTCCATCCGCACCCACTATCTTCATGTTGTTG
CAGATGAAGCGCGCAAGACCGTCTGAAGATACCTTCAACCC
CGTGTATCCATATGACACGGAAACCGGTCCTCCAACCTGT
GCCTTTTCTTACTCCTCCCTTTGTATCCCCCAATGGGTTTCAA
GAGAGTCCCCCTGGGGTACTCTCTTTGCGCCTATCCG
AACCTCTAGTTACCTCCAATGGCATGCTTGCGCTCAAAATGG
GCAACGGCCTCTCTCTGGACGAGGCCGGCAACCTTACC
TCCCAAAATGTAACCACTGTGAGCCCCACCTGTGAAAAAAACC
AAGTCAAACATAAACCTGGAAATATCTGCACCCCTCAC
AGTTACCTCAGAAGCCCTAACTGTGGCTGCCGCCGCACCTCT
AATGGTCGCGGGCAACACACTCACCATGCAATCACAGG
CCCCGCTAACCGTGCACGACTCCAACTTAGCATTGCCACCC
AAGGACCCCTCACAGTGTCAGAAGGAAAGCTAGCCCTG
CAAACATCAGGCCCCCTCACCACCACCGATAGCAGTACCCTT
ACTATCACTGCCTCACCCCTCTAACTACTGCCACTGG
TAGCTTGGGCATTGACTTGAAAGAGCCCATTTATACACAAAA
TGGAAAACTAGGACTAAAGTACGGGGCTCCTTTGCATG
TAACAGACGACCTAAACACTTTGACCGTAGCAACTGGTCCAG
GTGTGACTATTAATAATACTTCCTTGCAAACATAAGTT
ACTGGAGCCTTGGGTTTTTGATTCACAAGGCAATATGCAACTT
AATGTAGCAGGAGGACTAAGGATTGATTCTCAAAACAG
ACGCCTTATACTTGATGTTAGTTATCCGTTTGATGCTCAAAAC
CAACTAAATCTAAGACTAGGACAGGGCCCTCTTTTTA
TAAACTCAGCCCACTTGGATATTAATACTACAACAAAGGCC
TTTACTTGTTTACAGCTTCAAACAATTCCAAAAAGCTT
GAGGTTAACCTAAGCACTGCCAAGGGGTTGATGTTTGACGC
TACAGCCATAGCCATTAATGCAGGAGATGGGCTTGAATT
TGGTTCACCTAATGCACCAAAACACAAATCCCCTCAAAACAAA
AATTGGCCATGGCCTAGAATTTGATTCAAACAAGGCTA
TGGTTCCTAAACTAGGAACTGGCCTTAGTTTTGACAGCACAG
GTGCCATTACAGTAGGAAACAAAAATAATGATAAGCTA
ACTTTGTGGACCACACCAGCTCCATCTCCTAACTGTAGACTA
AATGCAGAGAAAGATGCTAAACTCACTTTGGTCTTAAC
AAAATGTGGCAGTCAAATACTTGCTACAGTTTCAGTTTTGGC
TGTTAAAGGCAGTTTGGCTCCAATATCTGGAACAGTTC
AAAGTGCTCATCTTATTATAAGATTTGACGAAAATGGAGTGC
TACTAAACAATTCCTTCCTGGACCCAGAATCTTGGAAC
TTTAGAAATGGAGATCTTACTGAAGGCACAGCCTATACAAAC
GCTGTTGGATTTATGCCTAACCTATCAGCTTATCCAAA
ATCTCACGGTAAACTGCCAAAAGTAACATTGTCAGTCAAGT
TACTTAAACGGAGACAAAATAACCTGTAACACTAA

FIG.10R

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SECRET



CCATTACACTAAACGGGTACACAGGAAACAGGAGACACAAC
CCAAGTGCATACTCTATGTCATTTTCATGGGACTGGTCT
GGCCACAACCTACATTAATGAAATATTTGCCACATCCTCTTACA
CTTTTTTCATACATTGCCCAAGAATAAAGAATCGTTTG
TGTTATGTTTCAACGTGTTTATTTTTCAATTGCAGAAAATTTCA
AGTCATTTTTTCATTAGTAGTATAGCCCCACCACCA
CATAGCTTATACAGATCACCGTACCTTAATCAAACCTCACAGA
ACCCTAGTATTCAACCTGCCACCTCCCTCCCAACACAC
AGAGTACACAGTCCTTTCTCCCCGGCTGGCCTTAAAAAGCAT
CATATCATGGGTAAACAGACATATTCTTAGGTGTTATAT
TCCACACGGTTTTCTGTGCGAGCCAAACGCTCATCAGTGATAT
TAATAAACTCCCCGGGCAGCTCACTTAAGTTCATGTGCG
CTGTCCAGCTGCTGAGCCACAGGCTGCTGTCCAACCTTGCGG
TTGCTTAACGGGCGGCGAAGGAGAAGTCCACTCCTACAT
GGGGGTAGAGTCATAATCGTGCATCAGGATAGGGCGGTGGT
GCTGCAGCAGCGGCGAATAAACTGCTGCCGCCGCCGCT
CCGTCCTGCAGGAATACAACATGGCAGTGGTCTCCTCAGCG
ATGATTCGCACCGCCCGCAGCATAAGGCGCCTTGTCCTC
CGGGCACAGCAGCGCACCCCTGATCTCACTTAAATCAGCACA
GTAACCTGCAGCACAGCACCAATATTGTTCAAAATCCC
ACAGTGCAAGGCGCTGTATCCAAAGCTCATGGCGGGGACCA
CAGAACCCACGTGGCCATCATACCACAAGCGCAGGTAGA
TTAAGTGGCGACCCCTCATAAACACGCTGGACATAAACATTA
CCTCTTTTTGGCATGTTGTAATTCACCACCTCCCGGTAC
CATATAAACCTCTGATTAAACATGGCGCCATCCACCACCATC
CTAAACCAGCTGGCCAAAACCTGCCCGCCGGCTATACA
CTGCAGGGGAACCGGGACTGGAACAATGACAGTGGAGAGCC
CAGGACTCGTAACCATGGATCATCATGCTCGTCATGATAT
CAATGTTGGCACAACACAGGCACACGTGCATACACTTCCTCA
GGATTACAAGCTCCTCCCGCGTTAGAACCATATCCCAG
GGAACAACCCATTCTGAATCAGCGTAAATCCCACACTGCAG
GGAAGACCTCGCACGTAACCTCACGTTGTGCATTGTCAA
AGTGTTACATTGCGGCGAGCAGCGGATGATCCTCCAGTATGG
TAGCGCGGGTTTTCTGTCTCAAAGGAGGTAGACGATCCC
TACTGTACGGAGTGCGCCGAGACAACCGAGATCGTGTTGGT
CGTAGTGTTCATGCCAAATGGAACGCCGGACGTAGTCATA
TTTCTGAAGCAAAACCAGGTGCGGGCGTGACAAACAGATC
TGCGTCTCCGGTCTCGCCGCTTAGATCGCTCTGTCTAGT
AGTTGTAGTATATCCACTCTCTCAAAGCATCCAGGCGCCCCC
TGGCTTCGGGTTCTATGTAACTCCTTCATGCGCCGCT
GCCCTGATAACATCCACCACCGCAGAATAAGCCACACCCAG
CCAACCTACACATTCGTTCTGCGAGTCACACACGGGAGG
AGCGGGAAGAGCTGGAAGAACCATGTTTTTTTTTTTATTCCA
AAAGATTATCCAAAACCTCAAATGAAGATCTATTAAG
TGAACGCGCTCCCCTCCGGTGGCGTGGTCAAACCTCTACAGC
CAAAGAACAGATAATGGCATTGTGTAAGATGTTGCACAAT

FIG.10S

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